MANAV RACHNA
vidyanatariksha

NEWSLETTER
Faculty of Computer Applications
(Fourth Issue, From Jan,2020 - Dec, 2021)

Educational Institutions are "Temples of Learning" in parlance of great thinkers. Education being the earnest and conscientious pursuit on his mind, our founder visionary Dr. 0. P. Bhalla strongly believed that education ought to be Good with high Moral Values. It is important to groom the students and imbibe in them not only academic brilliance but also professional ethics to face the challenges of real life and of corporate world. He had always reiterated his promise to make the students good human beings first and then professionals.

We owe this issue of Newsletter to the great man with great fondness and endearment.

FCA at a Glance

Faculty Members	19
Students	402
Ph. D (Research Scholars)	13
Course Offered	Ph.D(Comp.App.), MCA, BCA, B.Sc.(IT)
Internship	100%
Professional Society/Chapters	IEEE, CSI,ACM
Workshops/FDPs/Attended	151
International/National Tie-ups	3
Technical Clubs	3
Placements (MCA)	100%
Research Papers Published	60
Experts Talks/Corporate Lectures	5

Editor in Chief:

Prof. (Dr.) Usha Batra (Dean FCA)

Editorial Board:

Prof. (Dr.) Rashmi Agrawal (HOD)
Ms. Chitra Jalota (Assistant Professor)

Mr. Nikhil Dutt (Student Coordinator)
Mr. Rayan V Osta (Student Coordinator)

Journals (national/international)	60
Confrence	13
Books	9

Manav Rachna International Institute of Research and Studies (Deemed to be University)

Message from the Vice Chancellor
(Dr. Sanjay Srivastava)

Manav Rachna International Institute of Research and Studies is carrying the legacy of Dr. O.P. Bhalla since its inception. The Faculty of Computer Applications (FCA) is releasing its fourth Newsletter, which highlights events and activities over the last two years. The Department has developed imaginative forums with coordinated efforts of the students and faculty members, leading to necessary connect and bonding towards upliftment of the department. Our educational programs offer a solid foundation of technical education and promises a hands-on learning experience. Bringing newsletter reflects the dynamism of Manav Rachna International Institute of Research studies. The launch of this newsletter will provide an opportunity to all the creative minds to share their ideas and information as well as happenings in and around the department.

I congratulate Dean, Head of Department, Faculty members and student coordinators of editorial board for their outstanding achievement. Working with so many brilliant and committed students, professors, alumni's and staff members has been a privilege.

My best wishes to the entire team for the success.
Jai Hind

Message from the Pro Vice Chancellor (Dr. Naresh Grover)

I appreciate the efforts of Faculty of Computer Applications (FCA) in realizing our learners' hopes and objectives for a bright and successful career. At Manav Rachna, we are committed to recognizing and meeting the requirements of students in an increasingly competitive environment. All of our technical and traditional programs are delivered with a focus on customized supervision and care by highly experienced and well-qualified academicians.

Our one-of-a-kind support system will give students access to academic mentorship, career counseling, collaborative learning platforms and most importantly, acknowledgement for those who strive to succeed. The Quality Education we impart to our students, enlighten their minds and enthuse their hearts for higher goals. I am happy to perceive that this edition of newsletter is not only informative but also has rich literary articles which add value to its quality. I extend my hearty congratulations to Dean, Head of Department, Faculty Members and Student Coordinators of editorial board for their outstanding achievement.

Good Luck and best wishes for a great future.

Message from the Pro Vice Chancellor
(Prof. (Dr.) Pradeep Kumar)

At Faculty of Computer Applications, MRIIRS, future leaders are developed and instilled with the skills and abilities to lead with confidence and passion. I'd like to extend a warm welcome to the newsletter. It is my firm belief that the newsletter will fulfill the need of the students as well as other stake holders. Manav Rachna is well equipped with state-of-the art facilities and infrastructure as well as qualified and dedicated faculty in all disciplines. The students are highly skilled and well placed after they graduate. It is a fact that many of Manav Rachna's very successful graduates have set national and worldwide benchmarks in numerous sectors. We groom future successful global leaders.

I wish the best of luck to the Editorial Team of Faculty of Computer Applications for the successful release of this newsletter. It reflects the dynamism of Manav Rachna International Institute of Research studies. This newsletter highlights a few of the remarkable achievements that occurred on and off campus in the areas of placements, national and international collaborations, startups, internships, research and many other topics. We hope to achieve many more achievements in the future.
I wish Good Luck to the entire team for the success.

Message from Pro Vice Chancellor
(Dr. G. L. Khanna)

Manav Rachna International Institute of Research and Studies, since its establishment has always been the most important mode of disseminating the wealth of education from one generation to the other. The students and the faculty members have brought laurels and awards to this institution. With this in mind, the newsletter will represent all of these accomplishments and satiate the hunger for knowledge about our university. The objectivity and accuracy of event reporting is reflected in this issue. Our goal is to give students the greatest education possible and to educate them for tomorrow's difficulties to handle the obligations of the corporate world.

We are conducting vitally important work with the help of talented faculty members. I'm delighted to share the department's activities and accomplishments with you through this newsletter.

I wish Good Luck to the entire team for the success.

Message from the Registrar (Sh. R. K. Arora)

It gives me immense pleasure to know that Faculty of Computer Applications is releasing out its fourth newsletter. The newsletter will be a mirror to all-round developments and the dynamism of the department in the University. With inputs from faculty members and the students of the department, I am sure that it will be both an attractive and stimulating news production. In MRIIRS, we share the vision of our revered founder, Dr. O.P. Bhalla, who was passionate about blending knowledge with values so as to shape our learners as responsible citizens. We have a strong commitment towards providing an environment conducive to learning, where the students are mentored by the best industry experts and academicians.

At MRIIRS, we have always tried our hardest to provide the best education and to prepare our students to face the difficulties of future, so that they are capable of handling the demands of the corporate world. Our educational programmes provide a strong technical foundation as well as hands-on learning opportunities.

I congratulate the editorial board for their efforts in putting this issue together.

All the Best.

Message from the Director General
(Lt. General R.K. Anand)

I am delighted to know that Faculty of Computer Applications, Manav Rachna International Institute of Research and Studies is bringing out their fourth Newsletter showcasing their initiatives and articles.

The world today is undergoing tremendous disruption and transformation fuelled by digital revolution. This revolution has touched every aspect of human life and brought in metamorphic changes. These changes are demanding evolved skills from younger generation. Therefore, it is the responsibility of academic institutions to create such programs that meets aspirations of the environment.

I am happy that Department of Computer Applications at MRIIRS is keeping up with times by evolving syllabus of various programs. The quality of research work being pursued by the faculty and students is evident from the large number of research papers being published in referred journals. The innate desire to bring this newsletter displays their quest for excellence. I extend my compliments to the editorial team and to Faculty of Computer Applications for this initiative and wish them all the very best in future endeavors.

I extend my compliments to all students of Faculty of Computer Applications and would recommend that this newsletter should be read as a precursor to quest for in-depth knowledge in this ever-evolving field of Computer Applications.

Wishing everyone success in all future endeavors.

Message from the Dean (Prof. (Dr.) Usha Batra)

Education is not an act of acquiring knowledge but learning a skill to lead life and forming one's personality. This is an ennobling process of growth. I can firmly say that we have excelled in every initiative that we undertook and we have stood together in facing the challenges in realizing quality education. Manav Rachna International Institute of Research and Studies constantly offers to assist young minds to develop their mental and physical abilities by offering a vibrant atmosphere for teaching, learning, research and creativity. The institution's visionary aim is to assist students in their multidimensional growth and holistic development.

At the Faculty of Computer Applications (FCA), we share goals of innovation in learning through a focus on hands-on experience and research. With newsletter as an active media, we keep on sharing the working of FCA fraternity; this will surely act as an encouragement in achieving new heights.

Welcome to the fourth edition of FCA newsletter. It covers a mix of stories that illustrate the diverse and innovative challenges our students and faculty undertake as well as the influence they have on our community.

The editorial team of the FCA has worked very hard for bringing out this newsletter.

I once again congratulate the whole team and wish a grand success for their efforts.

Message from the HOD (Prof.(Dr.) Rashmi Agrawal)

I am pleased to announce the publication of the fourth newsletter of the Faculty of Computer Applications, MRIIRS. The country went into a difficult phase in February of 2020 as the Covid-2019 pandemic spread. Despite the lockdown, all the courses have been taught via Online mode. The students have taken advantage of this opportunity by learning new skills, developing projects, working with different online tools and many more. We want to thank all the faculty members and especially the students for their cooperation during these difficult times.

We at the Faculty of Computer Applications always keep on evolving to meet the academic demands of future learners in the industry. The Institution is committed to provide education that leads to degrees relevant for today's global workplace while remaining competitive in terms of academics. We are dedicated towards providing a curriculum that meets our students' needs and I am sure this newsletter will become an important chronicle on happenings around us.

Our faculty members are dedicated to providing a learning environment for students. They come up with various ways and means for grooming them. With each passing day, it becomes clear that the Department of Computer Applications has made significant contributions to the success of not only our students but also our faculty members and alumni as well.

There are a lot of people who have contributed to the success of this endeavor. I want to personally thank every person in the department for their hard work. I am grateful for everyone's help and support, without which it would not have been possible to achieve our goal.

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Star Performer

Prof. (Dr.) Sanjay Srivastava
Vice Chancellor

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Dr. Rashmi Agrawal
Professor
Computer Applications, FCA

Subject: Appreciation for "Star Performer" in the domain of Research

Dear Rashmi,

It gives me great pleasure to have come across your exceptional research credentials and your sustained approach towards research endeavors in an unrelenting manner. I would like to extend my deepest appreciation for the hard work, dedication and commitment demonstrated by you.

The University recognizes your exemplary performance in research, particularly in research publications, innovation, consultancy and patents publications and is immensely pleased to accord you as the "Star Performer" in Research for the year 2019-20.

Our Founder Chancellor MREI Dr. O.P.Bhalla - a true believer in the ideology that a man is defined not by words but by his work, brought to life Manav Rachna Educational Institutions with a vision that envisaged and strived for one voice, one team, one family & one soul. He firmly believed that No dream is too big, no dreamer too small and ensured that each and every student of Manav Rachna gets the opportunity to unravel their wings and take flight.

I, on behalf of the University, trust that this honour shall encourage you to achieve greater heights and you would help the university in progressing leaps and bounds as a trailblazer in the field of research. In these exciting and promising times, let us pledge to make the University one of the forerunners in its transition to blended learning.

We wish you a life time of success and happiness and look forward to taking the University in an upward spiral with your continued efforts.

Best wishes

10.9.20
Dr. Sanjay Srivastava

From the Desk of Faculty

Technocrats are the ARJUNA of 21st century

Mr. Raj Kumar

10 COMMANDMENTS FOR STUDENTS TO BECOME A WINNER IN IT INDUSTRY

ATTRIBUTES OF LEGENDARY ARJUNA	ATTRIBUTES OF 21ST CENTURY ARJUNA
Be a specialist. Arjuna was an ace archer of his time.	Know your domain, become more proficient in that one identified area of your choice and try to reach the pinnacle of success.
Be focused like Arjuna.	IT has provided lot of convenience. Your mobile has become passport to e-world. But it distracts a lot; particularly at your age when you have infancy about lot of things. But, be focused like Arjuna and avoid all unwanted things and activities and put all your efforts to hone-up your technical skills. If you can focus then only you will be able to achieve great heights in life.
No Pain – No Glory	There is no substitute of hard work in life. You have to bear the pain. This pain will transform a young lad into a seasoned IT professional. Even Arjuna has to practice a lot to become an archer. You also have to practice a lot to become proficient in IT.
Arjuna hit the fish eye.	The targets look unachievable in the initial stage of project initiation. But when a determined person puts efforts and energy, then magic happens. If you achieve results then only people will believe it. It is rightly said, "actions speak louder than words"

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ATTRIBUTES OF LEGENDARY ARJUNA	ATTRIBUTES OF 21ST CENTURY ARJUNA
Arjuna used to keep his various arrows in quiver. The use of an arrow will be according to the target.	IT professional of today must know the various tools and techniques. These tools must be used judiciously depending on the need. The tools and technology have to be changed according to the problem definition.
Arjuna had a guru in the form of Lord Krishna.	You must have at least one person who can guide you when you need counseling and motivation. This guide may be your father, mother, professor or elder sibling. With right guidance can you can achieve more in life.
Arjuna followed the path of DHARMA i.e. aptness of the work.of the work.	In corporate world, many times the greed starts influencing the decisions of corporate leaders. In past, we have seen the infamous case of "SATYAM software". It was India's 4th largest company in 2006. When the fraud was revealed, the fortune of company turned into dust. Unethical behavior will destroy you sooner or later.
Arjuna was a team player.	Although Arjuna was capable of doing great damage to the opponents. In spite of that, Pandavas fought together as one team and were able to reclaim Hastinapur. In Corporate world also, we can achieve more when we work as a closely interweave team.
Pandava's fought to save the honor of their motherland i.e. Hastinapur.	We must make efforts to bring a good name to our clan and company. If we put 100% efforts in achieving objectives of the organization. Believe it, sooner or later the organization will reward you with name and fame.
Be Happy	In points 1 to 9, we had discussed the attributes which are required for competition. But never forget that, one day we have to leave everything and move on for further journey. So, 1. Always find time to meet friends and relatives at regular intervals. 2. Listen to melodious songs. 3. Pursue your hobby. 4. Try to be closer to nature; it heals our body and soul.

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Expert Lecture

SMAC (Social Mobile Analytics Cloud) Technologies

Faculty of Computer Applications (FCA) has organized an expert lecture on SMAC (Social Mobile Analytics Cloud) Technologies and the future under FCA ACM Student Chapter Activity. The guest speaker was Mr. Ajay Deshpande, Vice President, Zimbra Technologies Pvt Ltd, Pune. He is a ACM eminent speaker and an alum of IIT Bombay. Dr S S Tyagi(Dean FCA) and Dr. Shaveta Bhatia (HOD-CA) welcomed the guest.

Before starting the expert lecture, the 3rd issue of newsletter of FCA was released by Mr. Ajay, Dean FCA and HOD-CA. He started his speech by putting light on four pillars of current & future trends i.e. social, mobility, analytics & cloud (SMAC) and prompted how pillars of computing will shape the future. He ended his talk by giving an idea of the projects to work on.

The event was ended by presenting the appreciation certificate to Karan Chandra and Chandan Kumar (BCA Final Year Students) for their valuable contribution in designing and publication of 1st, 2nd and 3rd edition of newsletter. The faculty and students have appreciated the knowledge shared by the guest speaker. At the end Dean-FCA and HOD-CA felicitated the guest by memento.

Webinar

Faculty of Computer Applications (FCA) has organized a webinar on "Security and Trust" under FCA ACM Student Chapter Activity. The guest speaker was Mr Kaarthik Sivakumar, Principal Engineer, Cisco Systems and an alumnus of University of Delaware and BITS Pilani. He is an ACM eminent speaker. Dr. Shaveta Bhatia (HOD-CA) and Priyanka Sharma organizer of the event welcomed the guest.

He started his speech by giving an example of book "The Art of Deception" by Kevin, considered to be best book to understand ethical hacking, and explaining through the concept of security and trust practically and showing how it can be seen which IOT devices are available on internet. Investment in Security of devices is considered to be most wise investment in knowledge which pays the best interest. He ended his talk by motivating and showing the path and future of cyber security and also solving more than twenty queries of BCA, B.Sc IT and MCA students on how to move towards Security. The faculty and students have appreciated the knowledge shared by the guest speaker. At the vote of thanks was done by Shaveta Bhatia (HOD-CA).

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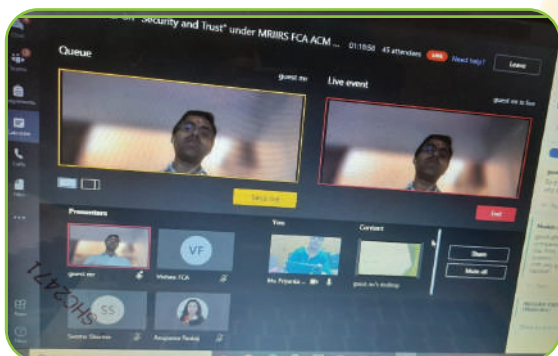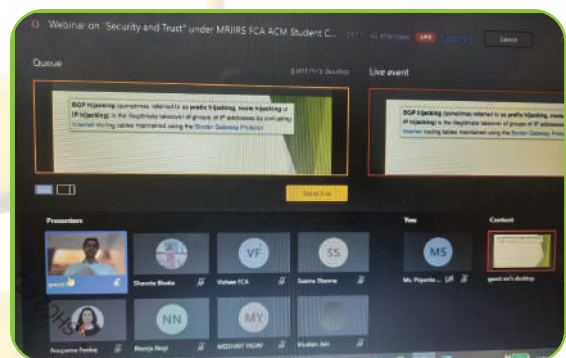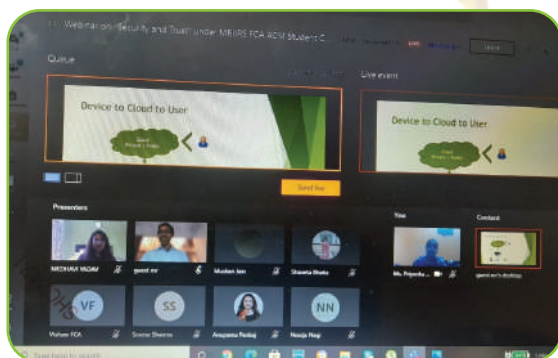
Software Engineering and It's Reflections on 50 Years

Faculty of Computer Applications (FCA) has organized a webinar on "What Is Software Engineering Anyway? Reflections on 50 Years of Software Engineering and the Road Ahead!" under FCA ACM student chapter activity. The guest speaker was Dr. Sridhar Chimalakonda who is an Assistant Professor in the Department of Computer Science & Engineering at Indian Institute of Technology Tirupati. He is an ACM eminent speaker. Dr. S S Tyagi(Dean-FCA) and Dr. Shaveta Bhatia (HOD-CA) welcomed the guest, Priyanka Sharma organizer of the event introduced the guest and welcomed the Dean, Hod, guest, faculty members and students.

He started his speech by discussing the nature of software engineering he introduced the audience to the history of software engineering, 1968 the era when this term was coined. He ended his talk by motivating and showing the path of research and future of software engineering, he asked the students and faculties to think towards use of software engineering in Artificial intelligence and machine learning and also solving more than twenty queries of BCA, B.Sc IT and MCA students on how to move towards software engineering. In total more than 120 students attended theACM Event.The faculty and students have appreciated the knowledge shared by the guest speaker. The vote of thanks was done by Dr. S S Tyagi(DEAN-CA).
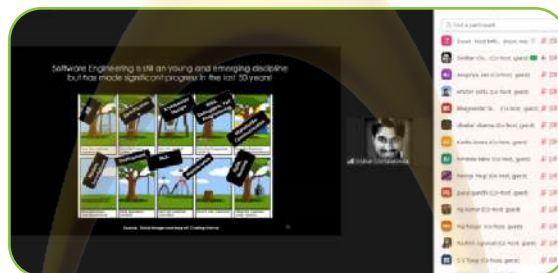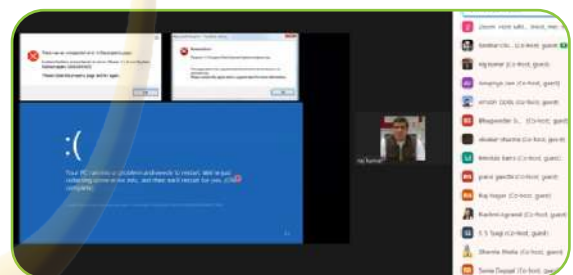
Faculty of Computer Applications organised Annual Intensifying photography skill development program . It started on International Day of Friendship which was 30th July and ended on Friendship Day which was on 2nd august. Around 28 teams participated in this event and shared twinning pictures along with their best friend. More than 1000 likes and 500 comments were scored by the teams in the event. The winning criteria was as such: 1 like = 1 vote, 1 comment= 2 votes. The participants were all over from the Manav Rachna Institute including the faculty members.

The event was successful because of the extensive design work and query handling skill. The Instagram caught the attention of the students thus leading to the highest number of followers amongst all the clans of the Manav Rachna.

The winners were declared after the 50% judgment from the likes and comments of the participants and 50% from the judges of the events.

The declaration was made through the Instagram and was promoted amongst all the Manav Rachna family.
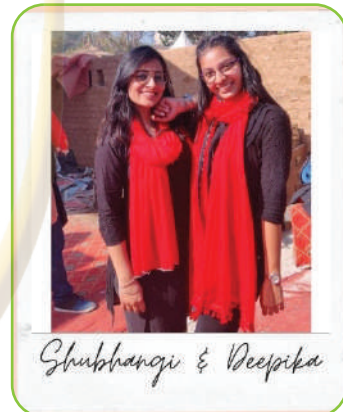
Shubhangi & Deepika

Riya & Nitika

Annual Intensifying Photography - Click it (21.09.2020)

Product photography is a form of commercial photography that has the goal of presenting a product in the best possible photographic representation. In this competition, we would like to check if participants can make their selected products, the hero of the picture.

The event witnessed over 30 entries. Through this competition, clan received more than 1000 likes within 24-48 hours.

The winner of the competition was Sakshi Garg, all participants received e-certificates.
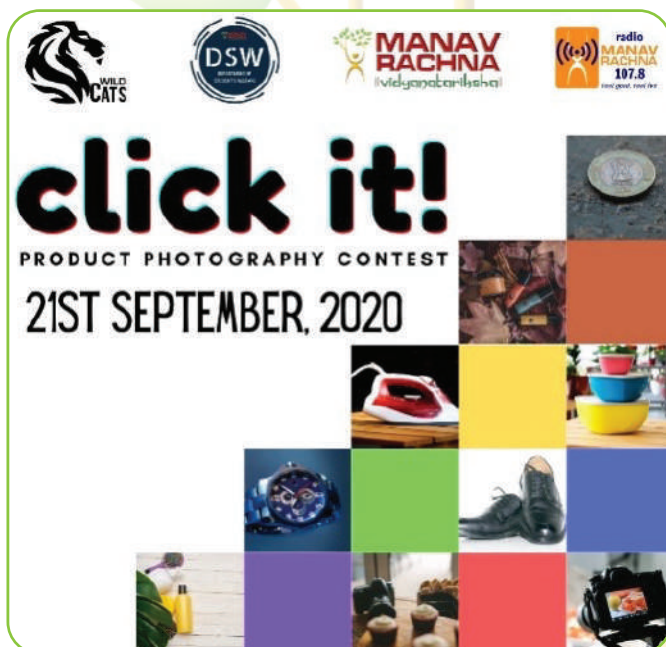
Annual Intensifying Photography - Snap for a cause (11.11.2020)

Participants were required to click a picture of their happy pill associated with the act of kindness (which could be any act of kindness towards nature, humans, animals, etc) along with a message or story for the same.

Registrations for the event were done through google forms.
Participations were allowed from Manav Rachna as well as other institutions, with no restrictions to the age limit. All the participants were provided with E-certificates.

The entries were accepted till 11:00 P.M on 14th November 2020 and the results declarations were made on the Instagram on 16th November.
The winners were decided:
1.   Solely by the voting panel
2.   On the basis of likes and comments (1like= 1point; 1comment=2points).

With the total of 12 entries special accolades to our two most kind-hearted participants- Alamelu Somasundaram (Voting Panel – Dr.Bindiya Ahuja and Sachin Aneja) & Arena Khan (People's Choice) were given.

Annual Intensifying Photography - Sporty Shutter (10.12.2020)

Participants were required to send their sporty images, a winner never quits and quitter never wins. Registrations were done through the google forms.

The entries were accepted till 11:59pm,10 December 2020 and the photos were showcased on 11 December. Results declarations were made on the Instagram on 13 December.
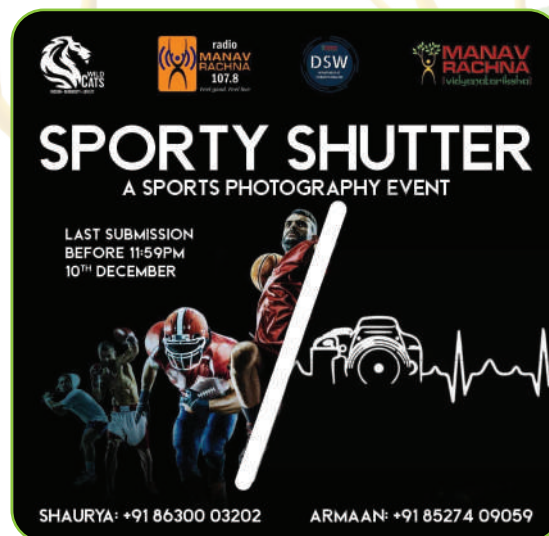
Awareness program on Road Safety

National Anthem (12.02.2020)

National anthem, it reminds us of our pride, nation's glory, beauty, and rich heritage

Two Wheeler Ride (12.02.2020)

Ride for "Spreading Awareness of Road Safety".
Faculty of Computer Applications of Manav Rachna Institute of Research and Studies (MRIIRS) organised a Road Safety Campaign "RIDE SAFELY WITH YOUR VALENTINE" i.e. people you love : your family and friends, in association with Department of Student Welfare, Regional Transport Authority and Road Safety Omni Foundation Faridabad on 12th February 2020.

The two wheeler rally within the campus wherein both the rider and pillion were wearing helmets promoted safe driving amongst students. SHO Dinesh and Traffic Tauji graced the occasion and guided students about Motor Vehicle Act 2019 and importance of wearing a helmet and seat belt while driving. They also talked about the fourth eye and how every citizen should behave responsibly on the road.

Dr. M.K.Soni, Pro Vice Chancellor and Dean Student Welfare, Dr. H.C. Rai, Dean FET, Mr. Satish Arora, Chief Vigilance Officer along with other dignitaries flagged off the rally. Many faculty members came forward to participate and motivated students for participation.

SHO Dinesh talked very highly about Manav Rachna Educational Institutions and the intent to transform and educate students for all round development.

World Environment Day

Workshop (05.06.2020)

Faculty of Computer Applications organised One Week Celebration of World Environment day Over 100 countries around the world are celebrating World Environment Day (WED) on Friday, June 5 2020, raising awareness about the importance of protecting planet Earth and Mother nature.'

NEED FOR CONSERVATION OF BIODIVERSITY

Biodiversity ,
The wonderful gift by the Almighty !
Most amazing lineaments of unique earth
Includes variety of plants and animals ,
And species of different varieties.
Though the gift has now become a major concern .

Wildlife maintains the ecological balance ,
It is the recreational and aesthetic value .
Interaction between all the biotic components ,
Is the must for the ecological balance .
As there is an absolute need to assist nature ,
By helping it gain it's lost delicacy .

Rapid population growth and demands of man ,
Expansion of industrial and agricultural land .
Have led to the extinction of species .
Land degradation and deforestation
The major issue of thinning of forest land,
That leads to global warming .
As life inside all living been are same and divine ,
So nature can be good friend to us
One must learn to serve one's surrounding
By destroying nature ,
We will be wiping ourselves off the planet earth.
Therefore , conserving of biodiversity is must .

WOLRD ENVIRONMENT DAY - 2020

THE ENVIRONMENT IS AN ULTIMATE TREASURE WE OWN. AND WE HUMAN BEINGS HAVE ENDED UP TREATING IT RECKLESSLY. ACCORDING TO THE WORLD HEALTH ORGANIZATION, 9 OUT OF 10 PEOPLE WORLDWIDE ARE EXPOSED TO LEVELS OF AIR POLLUTANTS THAT EXCEED SAFE LEVELS.

CLAN WATER SHARK IN ASSOCIATION WITH THE DEPARTMENT OF SCIENCE AND TECHNOLOGY AND NCSTC FOLLOWED BY THE DEPARTMENT OF STUDENT WELFARE OF MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH & STUDIES ORGANISED AN ONLINE ECO NEXT TALENT HUNT FOR THE ECOSMART YOUTH .

FROM 45 ENTRIES ONLY 9 ENTRIES WERE FEATURED ON OUR INSTAGRAM PAGE FOR THE FINAL ROUND .
WE ARE GLAD TO ANNOUNCE 2 WINNERS AND 1 SPECIAL MENTION.

EARTH PROVIDES ENOUGH TO SATISFY EVERY MAN'S NEEDS, BUT NOT EVERY MAN'S GREED. — MAHATMA GANDHI

Yoga Training Program

Yoga session (21.06.2020)

Faculty of Computer Applications organised Two weeks Yoga Training Program. The aim of these yoga sessions was to spread awareness about the importance of physical and mental fitness in this pandemic situation, Covid-19.

The classes were conducted by Dharna Arya, member of student council, Watersharks, MRIIRS. These classes included meditation, warm up exercises, stretching & strength based exercises. Yoga postures like bhujang asana, chakra asana,setuband asana,katichalna were also performed during the yoga sessions and different types of pranayamas like kapalbathi, anulomvilom, sheetali pranayams were practiced to incur the respiratory capacity of our lungs.

Initially these yoga sessions were based on the importance of yoga in one's overall well being. As we all know that only physical fitness is not necessary but mental fitness is also required to stay calm and positive in such pandemic situations like this Covid-19.
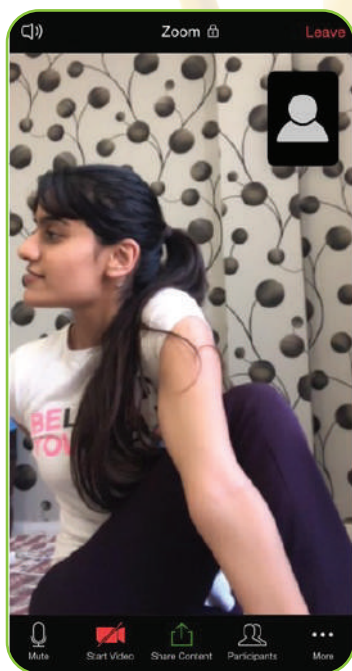
These classes were successfully conducted and many students and faculty members actively participated in these classes and they themselves felt more energetic and fresh after taking these yoga sessions.

Webinar

Faculty of Computer Applications (FCA) has organized an expert lecture on "Security in Cloud" under FCA ACM Student Chapter Activity. The guest speaker was Mr. Ajay Deshpande, Vice President, Zimbra Technologies PVT Ltd, Pune. He is a ACM eminent speaker and an alum of IIT Bombay. Dr. Shaveta Bhatia (HOD-CA) and Ms Priyanka Sharma welcomed the guest.

He started his speech by putting light on history of major data breaches, and then explaining how security in cloud can protect our data. He also discussed about the future projects in security of cloud. He ended his talk by giving an idea of the projects to work on. Many questions were asked by students like the major security steps taken by companies to protect data from being hacked. There were more than 100 students who attended the webinar.

The faculty and students have appreciated the knowledge shared by the guest speaker. At the end the vote of thanks was given by Ms. Priyanka Sharma.

Webinar

The Faculty of Computer Applications (FCA) has organized a webinar entitled "Demystifying Emotional Intelligence" on Wednesday, December 13 from 3:00 pm to 4:00 pm. Founder of Dive 'N' Fly, Ms. Ishitaa Jain was the guest speaker. Ms. Jain is a Life Strategist and Mind Alchemist. The meaning of the words life and mind have been defined in various ways by her. Having sailed through the thick and thin of her life, she has primarily real-life, in-depth business experience, presenting radically different points of view. The impact of Ishitaa's sessions, webinars in multiple academic institutes, corporate houses, healthcare fraternity and communities has touched more than 10,000 lives in the last year. Dr Usha Batra, Dean FCA, Dr Rashmi Agrawal, Head of the department and Ms. Priyanka Sharma, Event Coordinator, welcomed the guests.

She began her speech by discussing one's inner self. Furthermore, she discussed harnessing one's SELF's power. She led the students into a path of self-awareness, self-management, self-regulatory skills, empathy, and people skills. Her talk also touched on the role of behavior and personality in motivation. She ended her talk by answering students' questions about self-motivation and how to recover from failure. The students asked questions regarding depression and how to handle it. Nearly 50 students participated in the webinar.

Faculty and students both appreciated the knowledge shared by the guest speaker. Ms. Priyanka Sharma presented the vote of thanks at the end.
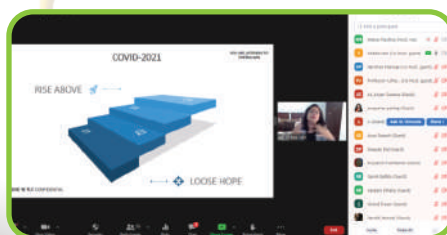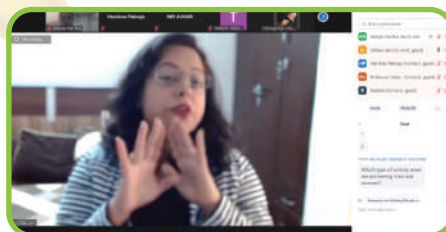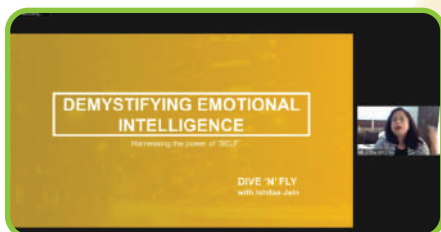
Faculty Achievements

Books Published

S.NO.	TITTLE	FACULTY AUTHOR	PUBLISHERS	ISSN NUMBER	YEAR OF FIRST EDITION
1	Big Data, IoT, and Machine Learning: Tools and Applications	Dr Vikas Garg Dr Rashmi Agrawal	CRC Press, Taylor and Francis	9780367456375	2020
2	Blockchain Technology and the Internet of Things: Challenges and Applications in Bitcoin and Security	Rashmi Agrawal Jyotir Moy Chatterjee Abhishek Kumar Pramod Singh Rathorel	CRC Press,		2020
3	Blockchain for Business: How it Works and Creates Value	Dr. S. S. Tyagi Dr. Shaveta Bhatia	Wiley Scrivener publishing	978-1-119-71104-9	January, 2021
4	Fault Tolerance Algorithms for Cloud Node Reliability	Dr. Mridula Batra/ Dr. Neha Gupta	Pacific Books International		2021
5	Internet of Things in Business Transformation: Developing an Engineering and Business Strategy for Industry 5.0	Dr Parul Gandhi	Wiley		2021
6	Transforming Cyber Security using Blockchain	Rashmi Agrawal Neha Gupta	Springer	978-981-336-858-3	April 2021
7	Smart IoT for Research and Industry	Melody Moh Kanta Prasad Sharma Rashmi Agrawal Vicente Garcia Diaz	Springer	978-3-030-71485-7	2021
8	Data Driven Decision Making using Analytics	Parul Gandhi Surbhi Bhatia Kapal Dev	CRC Press	978-1-032-05827-6	2021
9	Blockchain Technology Applications for Next Generation	Neha Puri Vikas Garg Rashmi Agrawal	Springer, Cham		23 November 2021

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Faculty Achievements

Chapters Published

S.NO.	TITTLE	FACULTY AUTHOR	PUBLISHERS	ISSN NUMBER	YEAR OF FIRST EDITION
1	The Internet of Things: looking beyond the hype	Devender Bhushan Dr. Rashmi Agrawal	Elsevier	9780128213261	2020
2	Deep neural network in medical image processing	Siddharth Verma Dr. Rashmi Agrawal	Elsevier		2020
3	Depression discovery in cancer communities using deep learning	Srishti Sharma Vaishali Kalra Dr. Rashmi Agrawal	Elsevier		2020
4	Blockchain Enabled Supply Chain Management Systems	Sonal Pathak	Wiley, Scrivener publishing	978-1-119-71104-9	January, 2021
5	Internet of Things and Blockchain	Priyanka Sharma	Wiley, Scrivener publishing	978-1-119-71104-9	January, 2021
6	E-Wallets	Vishawjyoti	Wiley, Scrivener publishing	978-1-119-71104-9	January, 2021
7	Impact of Deep Learning on Semantic Sentiment Analysis	Neha Gupta Dr. Rashmi Agrawal	IGI Global	978-1-799-87511-6	January, 2021
8	Introduction to hardware accelerator systems for artificial intelligence and machine learning	Neha Gupta	Elsevier		April 2021
9	Privacy Preserving using Data Mining	Chitra Jalota Dr. Rashmi Agrawal	Wiley Online Library	9781119760405	2021
10	Changing World: Smart Homes Review and Future	Pooja Tiwari Vikas Garg Dr. Rashmi Agrawal	Springer	978-3-030-71484-0	2021
11	Epidemic Analysis of COVID-19 Using Machine Learning Techniques	Dr. Rashmi Agrawal Neha Gupta	Springer	978-981-15-7316-3	2021

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Faculty Achievements

Session Chair

Sno.	Name of Faculty Member	Category	Topic	Venue	Duration No. of Day (s)	Date(s) From	Date(s) To	Year
1	Dr. Rashmi Agrawal	Session chair	International Conference on Computational Physics in Emerging Technologies (ICCPET 2020),t	Srinivas University, Karnataka Indiat	1	8/1/2020	01/08/2020	2020
2	Dr. Rashmi Agrawal	Session Chair	International Conference on Soft Computing and Signal Processing (ICSCSP 2020)	Malla Reddy College of Engineering and Technology, Hyderabad, India	2	21/08/2020	22/08/2020	2020
3	Dr. Rashmi Agrawal	Session Chair	SmartLearning	International Conference CONSILIO-2020, Consilio Intelligence Research Lab, Noida	1	24/10/2020	24/10/2020	2020
4	Dr Sachin Sharma	Session Chair	Internet of Things and Applications	International Conference on Congress on Intelligent Systems organized by Soft Computing Research Society on 05-06 September 2020	2	9/5/2020	9/6/2020	2020
5	Dr Anupriya Jain	Session Chair	Internet of Things and Applications	International Conference on Congress on Intelligent Systems organized by Soft Computing Research Society on 05-06 September 2020	2	9/5/2020	9/6/2020	2020
6	Dr. Sonal pathak	Session chair		ICRMAT 2020, Nagpur(Online Mode)	2	12/5/2020	12/6/2020	2020
7	Dr. Parul Gandhi	Session chair	Resent Trends and Innovations in Multidisci-plinary Research	IEC University	1	14/03/2020	14/03/2020	2020
8	Dr. Mridula Batra	Session chair		International Conference on Renewable Technologies in Engineering (ICRTE-2021)	1	15/04/2021	15/04/2021	2021
9	Dr. Parul Gandhi	Session chair	Software Quality Assessment using Soft Computing	ENSA Kenitra, Morocco	4	15/07/2021	18/07/2021	2021
10	Dr. Parul Gandhi	Session chair	Big Data, Modelling and Machine Learning	Kenitra, Morocca	2	15/07/2021	16/07/2021	2021

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Faculty Achievements

Sno.	Name of Faculty Member	Category	Topic	Venue	Duration No. of Day (s)	Date(s) From	Date(s) To	Year
1.	Dr Sachin Sharma	Expert Talk	Association Rule Mining	Mahakal Institute of Technology, Ujjain (Online mode)	1	27/7/2020	27/7/2020	2020
2	Dr Anupriya Jain	Expert Talk	Ethical Hacking	Mahakal Institute of Technology, Ujjain (Online mode)	1	28/7/2020	28/7/2020	2020
3	Dr. Rashmi Agrawal	Keynote Speaker	International Conference on Soft Computing and Signal Processing (ICSCSP 2020)	Malla Reddy College of Engineering and Technology, Hyderabad, India	2	21/08/2020	22/08/2020	2020
4	Dr Rashmi Agrawal	Expert Talk	Research in Big Data and Machine Learning	Ballari Institute of Technology and Management, Ballari, India	3	11/9/2020	11/11/2020	2020
5	Dr. Parul Gandhi	Expert Talk	Emerging Trends in Software Computing Technologies	CGC Landron, Maholi	4	13/04/2020	03/04/2020	2020
6	Dr. Parul Gandhi	Expert Talk	Software Computing to Improve the Quality of Software	K.R. Mangalam	1	23/3/2021	23/3/2021	2021
7	Dr. Rashmi Agrawal	Expert Talk	Understanding Non-Relational Databases – Documents Store Inside Big Data	One-week AICTE Sponsored STTP on "Emerging Research Area in Big Data Computing"	1	27/7/2021	27/7/2021	2021
8	Dr. Rashmi Agrawal	Keynote Speaker	Role of Artificial Intelligence in Cyber Security and Security Framework	3rd International Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO) 2021 organized by SIET, Hyderabad, India and Consilio Research Lab, Tallinn, Estonia	1	7/10/2021	7/10/2021	2021
9	Dr. Saket Kumar Choudhary		Data Analatics using statistical lerarning with python	Dolphin (PG) Institute of Biomedical and Natural Sciences, Dehradun	2	18/02/2020	20/02/2020	2020
10	Dr. Parul Gandhi	Expert Talk	Building Innovation Fit for Market	Chandigarh Business School of Administration Landron, Mohali	1	05/05/2021	05/05/2021	2021

Sno.	Name of Faculty Member	Category	Topic	Venue	Duration No. of Day (s)	Date(s) From	To	Year
11.	Dr. Rashmi Agrawal	Expert Talk	Internet of Things: Looking beyond the Hype	University Institute of Computing, Chandigarh University	1	Oct 23	Oct 23	2021
12.	Dr. Rashmi Agrawal	Expert Talk	Emerging Research Areas in Big Data Computing	J C Bose University of Science and Technology, Faridabad	6	Oct 11	Oct 16	2021
13.	Dr. Sachin Sharma	Expert Talk	Data Mining	Gita Vidya Mandir Girls College, Sonepat	1	Nov 27	Nov 27	2021
14.	Dr. Parul Gandhi	Expert Talk	Software Quality Enhancement using Soft Computing Techniques	Agarwal College	1	Nov 26	Nov 26	2021

Sno.	Name of All Author(s)	ISSN Number	Title of Paper	Journal Published from (Country Name)	Name of Journal	Name of Publisher	Publication Month and Year	Impact factor of Journal
1	Dr Anupama Pankaj		One step ahead of Cloud Computing with IoT Services			CSI Communications	Feb 2020	
2	Dr Anupama Pankaj, Vaibhav Kumar, Sonu Kashyap, Mayank Gupta		License Plate Recognition System using OpenCV & PyTesseract			CSI Journal of Computing	July-Sep 2020	
3	Raj Kumar Chandramani Attri		E-Learning Platforms - A Review		International Journal of All Research Education and Scientific Methods (IJARESM) UGC Care		July 2021	
4	Sagar Samrat, Sonal Pathak	0976-6510	Status of R&D Management at Indian Public Sector Research Laboratories and Agencies - Review of Government initiatives and current challenges at the onset of COVID-19 Pandamic	Tamilnadu, India	International Journal of Management (IJM)	IAEME Publications	December, 2020	10.1471

Publications In International Journal

S.No.	Title of Paper	Name of Author(s)	Name of Journal	Volume, Issue, Page Numbers	Month and Year of Publication
1	Neural Network Based Prefetching Control Mechanism	Sonia Setia	International Journal of Engineering and Advanced Technology (IJEAT)	Vol. 9 Issue 2, , pp. 1361-1366, 2019	December, 2019
2	Enhancing Fault Tolerance of Cloud Nodes using Replication Techniques	Mridula Dhingra, Dr. Neha Gupta	International Journal of Recent Technology and Engineering (IJRTE)	Volume-8 Issue-5, page no. 2040 - 2044	Jan-20
3	Semantic Prefetching Based Hybrid Prediction Model	Sonia Setia	International Journal of Scientific & Technology Research	Vol. 8, Issue 12, pp. 3936-3941, 2019	December, 2019
4	Improvement in Text Categorization Using Semi-Supervised Approach and Lexical Chains	Rashmi Agrawal, Vaishal Arya	Journal of Computational and Theoretical Nanoscience	Vol. 16, Number 12, pp. 5122-5126, 2019	December, 2019
5	A Comparative Study of Linear and Non-Linear Classifiers in Sensory Motor Imagery Based Brain Computer Interface	Rashmi Agrawal, Poonam Chaudhary	Journal of Computational and Theoretical Nanoscience	Vol. 16, Number 12, pp. 5134-5139, 2019	December, 2019
6	An Algorithm For finding the optimal path in Basis path testing using GABVIE Model	Seema Sharma, Dr. Shaveta Bhatia	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Vol. 9 Issue-3, pp. 587-593, 2020	Jan,2020
7	Corpus Augmentation for Neural Machine Translation with English-Punjabi Parallel Corpora	Simran Kaur, Dr. Rashmi Agrawal	International Journal on Emerging Technologies	Vol. 11, Issue 1, pp 148-153	Feb. 2020
8	Comparative Study on Ant Colony Optimization(ACO) and K-Means Clustering Approaches for Jobs Schedulingand Energy Optimization Model in Internet of Things (IoT)	Sumit Kumar, Vijender Kumar Solanki, Saket Kumar Choudhary, Ali Selamat, Rubén González Crespo	International Journal of Interactive Multimedia and Artificial Intelligence	Vol. 6, Issue 1, pp. 107-116	Feb. 2020
9	A Hybrid User-Centric Approach for Efficient Web Service Selection	Neerja Negi, Satish Chandra	International Journal of Information Retrieval Research (IJIRR)	Vol. 10, Issue 2, pp. 1-20	Feb. 2020
10	Current Trends in e-Learning	Raj Kumar, Dr Shaveta Bhatia	International Journal of Scientific & Technology Research	Vol. 9, Issue 03, Page 1-3	Mar-20
11	Non-dyadic wavelet decomposition for sensory-motor imagery EEG classification	Poonam Chaudhary, Dr. Rashmi Agrawal	Brain Computer Interfaces		Mar-20
12	An Algorithm For Evaluating Variation Of Cross Over And Mutation Operator In Genetic Algorithm (GAVCOMO)	Seema Sharma, Dr. Shaveta Bhatia	International Journal of Scientific & Technology Research	Vol. 9, Issue 3, pp. 4742-4746	Mar-20
13	Parts of Speech Tagging for Punjabi Language Using Supervised Approaches	Simran Kaur Jolly, Dr. Rashmi Agrawal	Intelligent Computing in Engineering	Vol. 1125 Select Proceedings of RICE 2019, pp.107-116	Apr-20

S.No.	Title of Paper	Name of Author(s)	Name of Journal	Volume, Issue, Page Numbers	Month and Year of Publication
14	Sensory Motor Imagery EEG Classification Based on Non-Dyadic Wavelets using Dynamic Weighted Majority Ensemble Classification	Poonam Chaudhary, Dr. Rashmi Agrawal	Intelligent Decision Technologies		Apr-20
15	Web service classification based on non-functional parameters using vote based classifier	Neerja Negi, Poonam Chaudhary & Satish Chandra	Journal of Discrete Mathematical Sciences and Cryptography	Vol. 23, Issue 1, PP. 45-55	Apr-20
16	A study on attacks in Mobile Ad-hoc Networks	Kavita Arora, Dr. Kavita, Dr. Vishal Jain	International Journal of Advanced Science and Technology	Vol. 29 Issue 8s, PP. 279-289	Apr-20
17	The Approach of Identifying Fake Identity by Using Hybrid Ant Neuro Fuzzy Clustering Based Method	Dr Anupriya Jain & Ms Seema Sharma	International Journal on Emerging Technologies	Vol. 11, Issue 3, pp. 395-401	May-20
18	Statistical Research of E-learning acceptance that is transforming the face of education	Taranbeer Singh, Minal Garg, Priyanka Sharma	International Journal of Advanced Science and Technology	Vol. 29, 11s, 932-941	Jun-20
19	Challenges in Face Detection and Recognition Techniques	Ravendar Kumar, Rahul Sajwan, Parveen Jha, Dr Sachin Sharma	International Journal of Innovative Technology and Exploring Engineering	Vol. 9, 8, 221-224	Jun-20
20	Proximity tracing to seize community spread of COVID 19	Dr Sonia Duggal & Dr Anupriya Jain	International Journal on Emerging Technologies	Vol. 11, 3, 853-857	May-20
21	Effect of Supervised and Unsupervised Algorithm for Cross Domain Sentiment Analysis	Vaishali Kalra, Rashmi Agrawal	International Journal of Innovative Technology and Exploring Engineering	Vol. 9, 8, 719-724	Jun-20
22	An Introductory Review on Big Data and Distributed Delay Framework of Neuorn Model	VDS Baghela, SK Choudhary, SK Bharti	Journal of International Academy of Physical Sciences	Vol. 20, 2, 217-225	Jun-20
23	Recent Trends in Botnet Detection Techniques-A Review	Ritinder Kaur, Neha Gupta	TEST Engineering & Management	Vol. 83, May-June, 24412 –24426	Jun-20
24	Sentiment Analysis and its application on Covid-19	Isha Gupta, Neha Gupta	TEST Engineering & Management	Vol. 83, May-June 22407 – 22416	Jun-20
25	Executing Expanded AI Models On Dummy Variables With Low Variance	Sakshi Jolly, Neha Gupta	International Journal of Advanced Science & Technology	Vol. 29, Issue-6, pp 7944-7956	Jun-20
26	An upgraded model of query expansion using inverse- term frequency(ITF) with oertinent response for IOT	Surbhi Sharma, Abhishek Kumar, Rashmi Agrawal	International Journal of Internet Technology and Secured Transactions		Jun-20

S.No.	Title of Paper	Name of Author(s)	Name of Journal	Volume, Issue, Page Numbers	Month and Year of Publication
27	Prevalence of Logistic Regression Analysis in COVID-19	Dr Sachin Sharma, Khushi Sharma, Dr Anupriya Jain	International Journal of Grid and Distributed Computing	Vol. 13, Issue 1, 225-233	Jul-20
28	Study on SEO tools and techniques for website	Praveen Kr, Deepak Mathpal, Akshay Gautam, Dr Sachin Sharma	International Journal of Disaster Recovery and Business Continuity	Vol. 11, Issue 1, 2937-2948	Jul-20
29	Smart Dustbin for smart cities using IoT	Shreay Bhardwaj, Bhavya Bnsal, Sana Shahid, Sachin Sharma	International Journal of Future Generation Communication and Networking	Vol. 13, Issue 3, 2560-2566	Jul-20
30	COVID-19 Precaution: Research and Its Application	Pranshu Sharma, Anupriya Jain	International Journal of Psychosocial Rehabilitation	Vol. 24, Issue 7, 10525-10533	April, 2020
31	Search Engine Optimization Tools & Techniques – A Review	Bageesh Sharma, Muskan Setia, Paresh Gupta, Dr. Anupriya Jain	International Journal of Grid and Distributed Computing	Vol. 13, Issue 1, 2193 – 2199	Jul-20
32	Securing data in the Era of Internet of Things	Shaveta Bhatia, Vishawjyoti	International Journal of Innovative Technology and Exploring Engineering	Vol.9, Issue 9, 200-203	Jul-20
33	Comparative study of Resampling techniques of imbalanced dataset	Chitra Mehra, Dr. Rashmi Agrawal	International Journal of Advance Science and Technology	Vol. 29, Issue 3, 12699-12710	Aug-20
34	Effect of Refractory Time Period on Information Processing of a Leaky Integrate-and-Fire Neuron in Distributed Delay Framework	VDS Baghela, SK Choudhary and SK Bharti	Advances in Mathematics: Scientific Journal	Vol. 9, Issue 9, 6991-6998	Aug-20
35	IoT based Noise Control Clock	Akshay, Deepak, Anupriya	International Journal of Future Generation Communication and Networking	Vol. 13, Issue 3, 2589 - 2598	Jul-20
36	Study On Data Mining And It's Techniques	Himanshu, Lalit, Sonu, Anupriya	International Journal of Disaster Recovery and Business Continuity	Vol.11, Issue 1, 2949–2957	Jul-20
37	Phishing Attack	Komal, Saurav, Jyoti, Anupriya	International Journal of Future Generation Communication and Networking	Vol. 13, Issue 4, 112 –121	Aug-20
38	Visual Cryptography	Deepak, Anurag, Sachin Sharma	International Journal of Grid and Distributed Computing	Vol. 13, Issue 1, 2200-2211	Jul-20
39	Speech Recognition System: A review	Rohit, Hari Om, Sachin Sharma	International Journal of Future Generation Communication and Networking	Vol. 13, Issue 3, 2547-2559	Jul-20

S.No.	Title of Paper	Name of Author(s)	Name of Journal	Volume, Issue, Page Numbers	Month and Year of Publication
40	An efficient ACO-PSO-based framework for data classification and preprocessing in big data	AK Dubey, A Kumar, Rashmi Agrawal	Evolutionary Intelligence, Springer	Vol.13, Special Issue, 1-14	Sep-20
41	Fault Tolerance Analysis of Cloud Virtual Nodes in Real Time Applications	Mridula Dhingra, Dr. Neha Gupta	International Journal of Advanced Trends in Computer Science and Engineering	Vol.9, Issue 4, 6 103-6110	July-Aug 2020
42	Impacts of Black Hole Attack on Mobile Ad-hoc Networks	Kavita Arora, Dr. Kavita, Dr. Vishal Jain	International journal of Future Generation Communication and Networking	Vol.13, Issue 4, 644-653	Sep-20
43	Analysis of Positive Impact of Lockdown on Skills Acquisition Using Online Collaboration Tools	Dr. Sonal Pathak, Dr. Sonia Duggal	IIOABJ	Vol. 11, Issue 5, pp 8-13	October 20, 2020
44	Natural Language Processing and its role in COVID 19	Vikas Sharma, Rohan Khanna, Dr. Sonia Duggal	International Journal of Scientific & Engineering Research (IJSER)	Vol. 11, Issue 8, pp. 110-118	Aug-20
45	C4 Model to Manage Pandemic using Machine Learning	Priyanka Sharma, Dr. S S Tyagi	International Journal of Grid and Distributed Computing	Vol. 13, No.2, pp 1882-1898	Dec , 2020
46	An Algorithm to identify the positive COVID-19 cases using Genetic Algorithm	Dr. Seema Sharma , Dr. Anupriya Jain	Journal of interdisciplinary Mathematics	Vol. 24, Issue.1, pp 1-16	Jan. 2021
47	A Review Of Fingerprint Recognition Techniques	Sagar Singh, Saksham Jolly, Sachet Kumar, Dr. Anupama Pankaj	European Journal of Molecular & Clinical Medicine	Vol. 7, 10, pp 3787-3792	Feb. 2021
48	Prediction of Nematode Population Dynamics using Weather Variables in Leguminous Crops	Kamal Batra, Dr Parul Gandhi	Indian Journal of Agricultural research	10.18805/IJARe.LR-4572	Feb. 2021
49	Educational Data Mining Approaches, Challenges and Goals: A Review	Chitra Mehra Dr. Rashmi Agrwal	International Journal of Information, Communication and Computing Technology	Vol. 8, Issue 2, pp. 442-447	Feb. 2021
50	Neural Network-Based Prediction Model for Evaporation Using Weather Data	Kamal Batra, Dr Parul Gandhi	Agricultural Research, Springer	https://doi.org/10.1007/s40003-021-00537-z	Feb. 2021
51	Enhancing Data Quality at ETL Stage of Data Warehousing	Neha Gupta, Sakshi Jolly	International Journal of Data Warehousing & Mining (IJDWM)	Vol. 17, Issue 1, pp 74-91	Mar-21
52	IoT Based Water Tank Alarm	Akshay, Deepak Kumar, Anupriya Jain	Journal of Huazhong University of Science and Technology.	50, Issue 4	May-21

S.No.	Title of Paper	Name of Author(s)	Name of Journal	Volume, Issue, Page Numbers	Month and Year of Publication
53	DESIGN AND DEVELOPMENT OF HYBRID PRINCIPAL COMPONENT ANALYSIS (HPCA) ALGORITHM FOR ACADEMIC PERFORMANCE PREDICTION	Chitra Mehra Dr. Rashmi Agrawal	Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/ Journal of Tianjin University Science and Technology	Vol. 54, Issue 6	June 2021
54	A big data framework for E- Government in Industry 4.0	Cu KimLong, Rashmi Agrawal, Ha Quoc Trung and Hai Van Pham	Open Computer Science	Issue 1, PP. 461 479	August 2021
55	Converging AI and Robotic: Techniques and Applications	Ankit Raj, Lakshita Gugnani,Manish Dubey, Neha Gupta	Artificial & Computational Intelligence	Vol2, Issue 2, PP. 1-6	Sep. 2021
56	Online Education in the Time of COVID19 Crisis	Keshav Dahiya, Naman Malhotra, Vaibhaav Bachhwal and Neha Gupta	InternationalJournal of Engineering Technologies and Management Research	Vol 8, Issue 9, pp. 70-77	October 2021

Publications in International Conference

S.No	Title of paper	Name of All Author(s)	Name of Conference	Venue of Conference	ISBN No of the Proceeding	Publication /Presentation		Online Link
						Month	Year	
1	Enhancing Graphic Performance Curve using Ray Tracing	Sahil Panghal Dennis Dr. Neha Gupta	CICN-2020	online mode	978-1-7281-9393-9	September	2020	https://ieeexplore.ieee.org/ document/9242622
2	Big Data and IOT Devices to for Smart Cities	Nisha Mansoori Tanjya Rani Dr. Anupriya Jain	CICN-2020	online mode	978-1-7281-9393-9	September	2020	https://ieeexplore.ieee.org/ document/7389091
3	Deepfake: An Overview	Dr Anupama Chadha Vaibhav Kumar Sonu Kashyap Mayank Gupta	Second International Conference on Computing Communications, and Cyber-Security (IC4S 2020)	online mode	978-981-16-0733-2	October	2021	http://ic4s.co.in/ic4s-2020/
4	Comparative Analysis of Machine Learning Algorithms for Hybrid Sources of Textual Data:In Development of Domain Adaptable	Arya Vaishali Dr.Rashmi Agrawal	Research in Intelligent and Computing in Engineering	Vietnam	eBook ISBN	January	2021	https://link.springer.com/ chapter/10.1007/978-981- 15-7527-3_16
5	A Review of Bigdata and Machine Learning Techniques in Healthcare	Devender Bhushan Dr. Rashmi Agrawal	Research in Intelligent and Computing in Engineering	Vietnam	978-981-15-7527-3	January	2021	A Review of Bigdata and Machine Learning Technique in Healthcare - IEEE Conference Publication
6	Diabetes prediction by using Big Data Tool and Machine Learning Approaches R & D Management	Swarna, Srinivasa Rao Shweta Sharma Rashmi Agrawal	3rd International Conference on Intelligent Sustainable Systems (ICISS). IEEE, 2021	India	eBook ISBN	January	2021	Diabetes prediction by using Big Data Tool and Machine Learning Approaches - IEEE Conference Publication
7	Sentiment Analysis Model Security and Privacy in IOT	Sagar Samrat Dr. Sonal Pathak	MRCON-21	India	978-1-7281-7089-3	February	2021	

S.No	Title of Paper	Name of All Author(s)	Name of Conference	Venue of Conference	ISBN No of the Proceeding	Publication /Presentation		Online link
						Month	Year	
8	Systematic Review of Virtual Reality & Its Challenges	Pawan Verma Rohit Kumar Jai Tuteja Dr. Neha Gupta	3rd Interntional Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV2021)	India	ISBN:978-1-6654-1960-4	February	2021	https://ieeexplore.ieee.org/abstract/document/9388575
9	Multi Model mplementation on General Medicine Prediction with Quantum Neural Networks	Swarn Avinash Kumar Abhishek Kumar Vishal Dutt Rashmi Agrawal	Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV)	Jan Wyzykowski University, Poland & B.M. Institute Of Engineering & Technology, Haryana, India	ISBN:978-1-6654-1960-4	April	2021	https://link.springer.com/chapter/10.1007/978-981-15-8335-3_45
10	Analysis of COVID-19 Data Using Machine Learning Techniques	Rashmi Agrawl Neha Gupta	International Conference on Data Analytics and Management, ICDAM-2020	Online	ISBN 978-981-15-8335-3	Jan	2021	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3832715
11	Proliferation of Digital education in times of COVID19	Raj Kumar Shubham Bhalla Tushar Arora Manish Kumar	ICICC Conference 2021	Online	SSRN: 3832715			https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3832727
12	Internet of Things (IOT)	Raj Kumar Chanchal Apurva Anjali	ICICC Conference 2021	Online	SSRN: 3832727			https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3879643
13	Course recommender system architecture with sentiment score	Raj Kumar Dr. Shaveta Bhatia	ICDAM-2021	Online	SSRN: 3879643			

Faculty Achievements

Sno.	Patent Title	Name of All Inventors	MRIIRS Inventors	Application Number	Country Name	Patent granted Number	Patent granted Date	Filling Year
1	A novel long range IOT based automatic dispenser system for heavy water line flow control	Itishree Mohanty, Rashmi Maurya, Sachin Gupta, Sonia Setia, Kavita Mehta, Vaneet Kumar, Rajesh Haldhar, Diksha Bhatt, Mukesh Kumar, Tariq Hussain, Neha Sewal, Priyanka, Aluri Manoj	Priyanka Sharma, Sonia Setia	2021101961	Australia	2021101961	19/05/2021	2021
2	A novel long range IOT based automatic dispenser system for heavy water line flow control	Jitendra Kumar Chaudhary Raed, Fadel Jwaid Thangiam RaviChandra Chitra Jalota Dr. Sunanda Das	Chitra Jalota	202111051375	India	202111051375	09/11/2021	2021
3	An Agriculture System for Early Blight Detection with IOT Connectivity	Priyanka Sharma	Priyanka Sharma	202111043595	India	202111043595	15/10/2021	2021

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Students Placement

MCA (2016-2020) & (2017-2020) Placement Record

S. No.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	17/FCA/MCA/01	HIMANSHU KUMAR	Archnomesh Technologies Pvt Ltd	4.2	Software Developer
2	17/FCA/MCA/03	SHIVAM KALRA	TCS	3.53	Ninja Profile - Software Engineer
3	18/FCA/MCA(L)/16	MANPREET KAUR	Stratemis	3.5	Software Engineer
4	18/FCA/MCA(L)/08	FIDELIS MARLYN ANTHONY	Solicon	2	Software Engineer
5	18/FCA/MCA(L)/11	HIMANSHU MAVI	Research Panel	4.11	Management Trainee
6	18/FCA/MCA(L)/18	MINAKSHI BHATI	Cerebry	3	Content Developer
7	18/FCA/MCA(L)/10	GUNJAN KUMAR	Authbridge Research Service Pvt Ltd	3	Software Engineer
8	18/FCA/MCA(L)/09	GAURAV KUMAR JHA	HCL	3.6	System Executive - IT
9	18/FCA/MCA(L)/17	MAYANK SANGER	Global Logic	2.4	Associate Analyst
10	18/FCA/MCA(L)/20	RAHUL RATHORE	Global Logic	2.4	Associate Analyst
11	18/FCA/MCA(L)/11	HIMANSHU MAVI	Blue One	2.2	Analyst
12	18/FCA/MCA(L)/15	MANISH MALIK	Global Logic	2.4	Associate Analyst
13	18/FCA/MCA(L)/28	ASHUTOSH SINGH	Solicon	2	Software Engineer
14	18/FCA/MCA(L)/14	KARAN SHARMA	Global Logic	2.4	Associate Analyst
15	18/FCA/MCA(L)/19	PINTU KUMAR	Solicon	2	Software Engineer
16	18/FCA/MCA(L)/04	ALWEENA IQBAL	Solicon	2	Software Engineer

Students Placement

MCA(L) (2019-2021) & MCA (2018-2021) Placement Record

S.no.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	19/FCA/MCA(L)/008	BOBBY SINGH	Wunderman	4.5	Analyst
2	19/FCA/MCA(L)/029	NISHA MANSOORI	Wunderman	4.5	Analyst
3	19/FCA/MCA(L)/014	HARI OM	Cavission	4.5	Software Engineer
4	19/FCA/MCA(L)/023	MAYANK GUPTA	TCS/Shonet System	3.5/2.7	Salesforce Developer
5 6	19/FCA/MCA(L)/033	PRAVEEN TEWATIA	Infogain	3.75	Software Developer
7	19/FCA/MCA(L)/028	NIKITA YADAV	Cargo Flash Infotech Pvt Ltd/ Oodles Technologies	03-Feb	Software Developer Intern
8	19/FCA/MCA(L)/050	SUMITA RANI MOHISH	International Governance Pvt Ltd/ Cargo Flash Infotech Pvt Ltd	2.4/3	Software Developer Intern
9	19/FCA/MCA(L)/055	VAIBHAV	Shonet System	2.7	Salesforce Developer
10	19/FCA/MCA(L)/047	SONU KASHYAP	Shonet System	2.7	Salesforce Developer
11 12	19/FCA/MCA(L)/052	TANYA RANI	International Governance Pvt Ltd	2.4	Associate
13	19/FCA/MCA(L)/010	DEEPAK CHOUDHARY	International Governance Pvt Ltd	2.4	Associate
14	19/FCA/MCA(L)/053	TUSHAR	International Governance Pvt Ltd	2.4	Associate
15	19/FCA/MCA(L)/019	JUHI PANDEY	Oodles Technologies	2.4	Associate Consultant-Development
16	19/FCA/MCA(L)/043	SOURAV KUMAR MISHRA	Jaina India Pvt. Ltd.	2.4	Junior Software Engineer
17	19/FCA/MCA(L)/013	GOURAV	Cashify	1.8	Intern-Testing
	19/FCA/MCA(L)/046	SONALI CHOPRA	Jamia Hamdard institute of Medical Science and Research	1.8	Trainee
	19/FCA/MCA(L)/026	NIKITA GUPTA	Apoxy Media Pvt. Ltd.	1.5	Trainee

MANAV RACHNA Vidyanatariksha

Students Placement

S.no.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	20/FCA/MCA/043	VENKATESH BHARTI	Jaro Education	8	Graduate Trainee
2	20/FCA/MCA/054	NIDHI SINGH	Jaro Education	8	Graduate Trainee
3	20/FCA/MCA/046t	DEVANSHI TYAGI	Accenture	6.5	Advance Associate Software Engineer
			Start-up	2.5	Enterpreneur
4	20/FCA/MCA/029	PRINCE BREJA	Unthinkable Solutions	5	Intern
			TCS	3.53	Ninja profile-Software Developer
5	20/FCA/MCA/015	DIVAKAR BHARDWAJ	IBM	4.25	Associate System Engineer
6	20/FCA/MCA/057	SANJOLI JAIN	Hitachi Ventura	5	Associate
			IBM	4.25	Associate System Engineer
			Accenture	6.5	Advance Associate Software Engineer
7	20/FCA/MCA/038	SIMRAN VASHIST	Capgemini	4	Analyst
8	20/FCA/MCA/014	DHRUV AGGHI	Capgemini	4	Analyst
9	20/FCA/MCA/017	HARSHIT SINGH	TCS	2.48	Graduate Trainee
10	20/FCA/MCA/008	ANJALI VERMA	AIS Business Solutions	4	Intern
11	20/FCA/MCA/056	ROHAN VIRMANI	Infogain	3	Software Developer
12	20/FCA/MCA/058	SHALU CHAUHAN	TCS	3.53	Ninja profile-Software Developer
13	20/FCA/MCA/016	Gagan Kumar	Nagarro Software	4.5	Software Developer
14	20/FCA/MCA/019	Krishna Sureka	Nagarro Software	4.5	Software Developer
15	20/FCA/MCA/013	Ayush	Start-up	2.5	Enterpreneur

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Students Placement

BCA(2017-2020) Placement Record

S.no.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	17/FCA/BCA/001	AASHNA MAHAJAN	Lido Learning	10	Business Development Executive
			Deliotte	3.82	Associate Analyst
2	17/FCA/BCA/039	JATIN SACHDEVA	Amazon	2.17	Customer Service Associate
3	17/FCA/BCA/109	VIKASH THAKUR	TCS	2	Graduate Trainee
4	17/FCA/BCA/019	ANUPAM ANAND	Varite	3.2	Software Engineer
5	17/FCA/BCA/054	ROHANPREET SINGH	Bharti Airtel	4	Accounts Manager (Sales)
6	17/FCA/BCA/003	ABHISHEK SEHRAWAT	Bharti Airtel	4	Accounts Manager (Sales)
7	17/FCA/BCA/027	DEEPANSHU GARG	TCS	2	Graduate Trainee
8	17/FCA/BCA/037	HARSHIT SINGH	TCS	2	Graduate Trainee
9	17/FCA/BCA/008	ALKA MEHTA	TCS	2	Graduate Trainee
10	17/FCA/BCA/047	MANISHA	Tech Mahindra	1.8	Associate
11	17/FCA/BCA/074	PIYUSH THAPAR	Sage Group	2.2	tAnalyst

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Students Placement

BCA(2017-2020) Placement Record

S.no.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	18/FCA/BCA/035	ROBIN THAKUR	BYJU's	10	Business Development Executive
2	18/FCA/BCA/007	AMANDEEP	Infosys	2.22	Operations Executive
			GTROPY	4	Software Developer

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Students Placement

S.No	Roll No	Name	Company Name	Package	Designation
1	19/FCA/BCA/020	Medhavi Yadav	Deloitte	3.83	Associate Analyst
2	19/FCA/BCA/035	Vishnupriya chopra	Deloitte	3.83	Associate Analyst
3	19/FCA/BCA/069	Muskan Jain	Jaro Education	8	Graduate Trainee

Students Placement

BSc (IT) (2017-2020) Placement Record

S.no.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	17/FCA/BSC(IT)/14	RAHIL BARAWAL	Nityo Infotech	2.8	Mobile Developer
2	17/FCA/BSC(IT)/17	SOHAIL MADAAN	Times of India	16.5	Software Consultant
3	17/FCA/BSC(IT)/07	AYUSHI BATRA	Social Media Marketing-Intern	2	Software Intern
4	17/FCA/BSC(IT)/19	TRIPTI	TCS	2	Graduate Trainee

Students Placement

S.no.	Roll No.	Name	Company Name	Package (Lakh/Annum)	Designation
1	18/FCA/BscIT/006	RAAS KHANNA	Lido Learning	10	Business Development Executive
2	18/FCA/BscIT/008	SAURAV	BYJU's	10	Business Development Executive